

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: EPHESUS

Report Number: P1212183 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-57-70-3S-ECV**

Issue Date: 11/14/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P1212183 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2509-549-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/14/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: EPHEBUS  
Catalog Number: EPH-LS12-1000R-57-70-3S-ECV  
Description: EPHEBUS LS12 LUMINAIRE  
(12) 5700K, 70 CRI LEDS AND 3S BEAM SHAPE WITH EXTREME CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

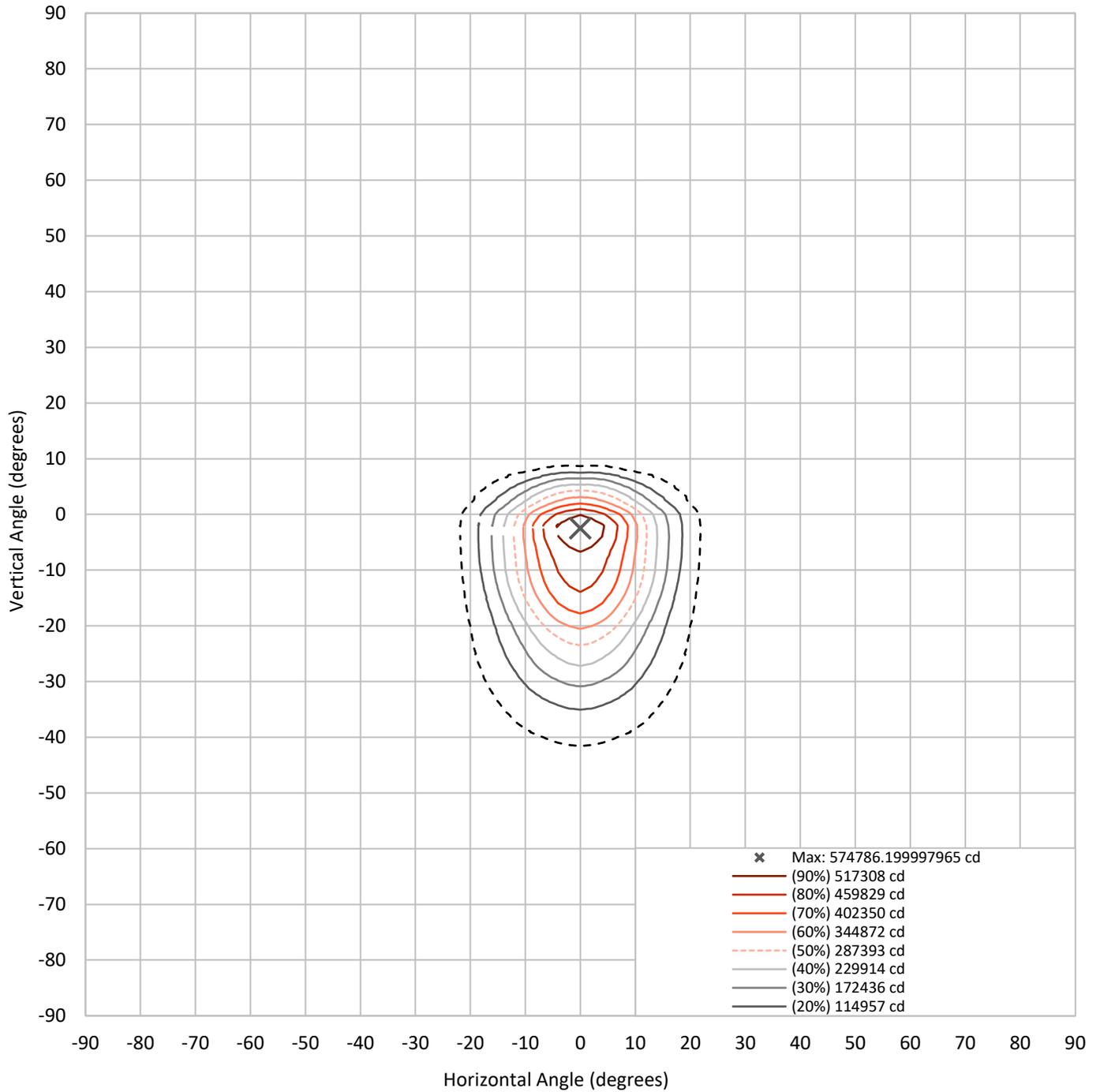
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 4V
Luminaire Lumens:	141630.2 lumens	Max Intensity:	574786.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -2.5°V
Efficacy:	136.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	24.4°H x 27.8°V	Field Angle (10%):	43.8°H x 50.3°V
Beam Lumens:	66490.1 lumens	Field Lumens:	118288 lumens
Beam Efficiency:	46.9%	Field Efficiency:	83.5%

Input Watts (W): 1041  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Iso-Candela Plot





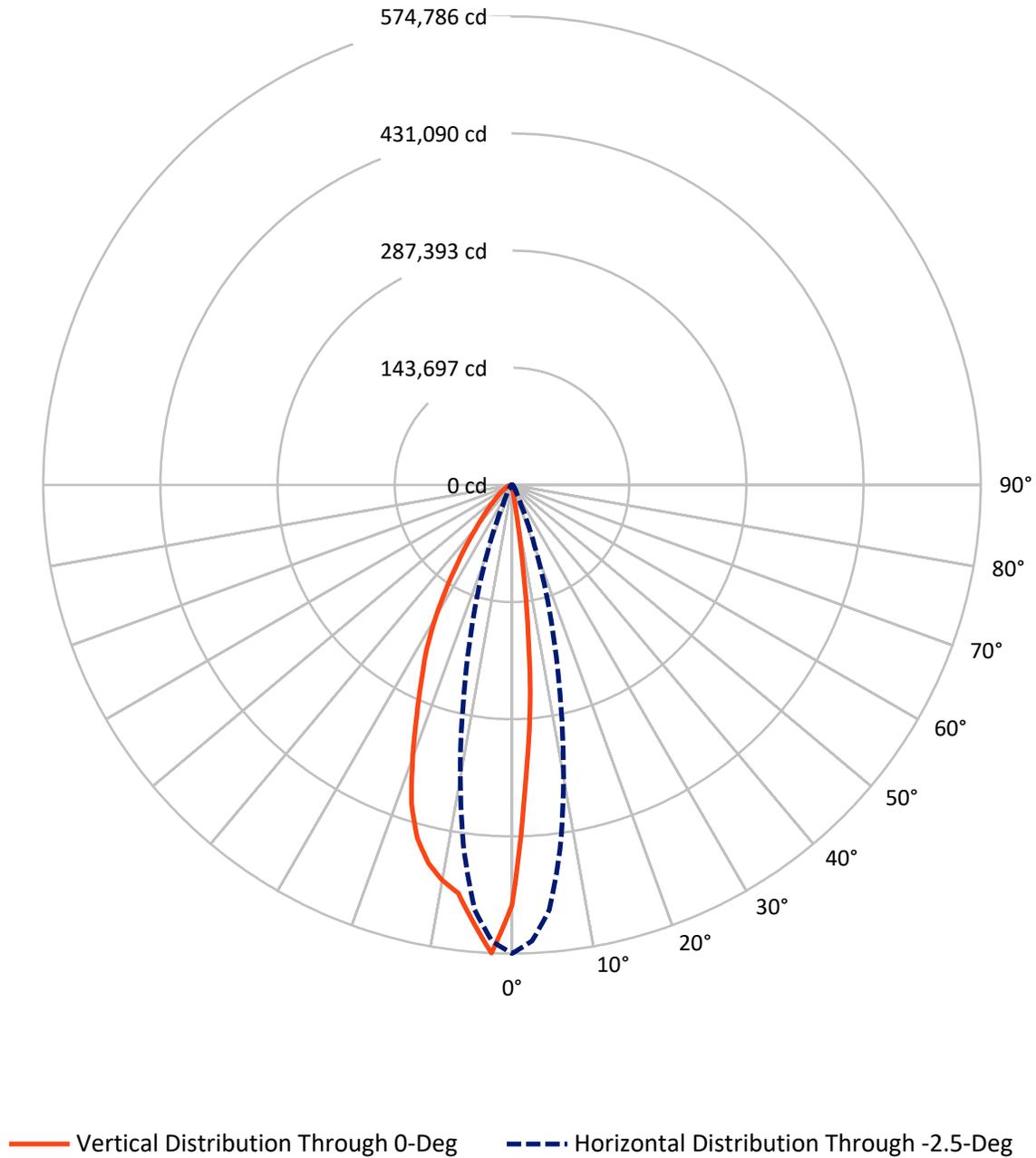
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### Lumen Table

90	2.4	6.3		7.6		6.5		5.0		6.5		7.6		6.3		2.4			
80	2.4	6.3		7.6		6.5		5.0		6.5		7.6		6.3		2.4			
70	2.3	1.3	1.6	1.6	1.5	1.2	0.7	0.2	0.2	0.7	1.2	1.5	1.6	1.6	1.3	2.3			
60		1.3	1.6	1.7	1.6	1.3	0.8	0.3	0.3	0.8	1.3	1.6	1.7	1.6	1.3				
50	2.4	1.4	1.7	1.8	1.8	1.5	0.9	0.3	0.3	0.9	1.5	1.8	1.8	1.7	1.4	2.4			
40		1.4	1.8	2.0	2.0	1.7	1.2	0.4	0.4	1.2	1.7	2.0	2.0	1.8	1.4				
30	2.5	1.5	1.9	2.2	2.4	2.5	1.8	0.6	0.6	1.8	2.5	2.4	2.2	1.9	1.5	2.5			
20		1.6	2.4	3.5	5.0	9.2	15.2	17.5	17.5	15.2	9.2	5.0	3.5	2.4	1.6				
10	2.8	2.0	5.9	18.4	58.8	373.7	2506.7	6447.1	6447.1	2506.7	373.7	58.8	18.4	5.9	2.0	2.8			
0		3.8	21.6	71.9	203.0	956.1	5997.5	14091.3	14091.3	5997.5	956.1	203.0	71.9	21.6	3.8				
-10	3.8	6.6	35.1	119.3	283.4	936.9	4858.9	11604.1	11604.1	4858.9	936.9	283.4	119.3	35.1	6.6	3.8			
-20		8.6	39.1	125.4	308.0	806.1	2997.2	6928.0	6928.0	2997.2	806.1	308.0	125.4	39.1	8.6				
-30	4.6	9.0	38.0	111.7	275.2	608.5	1586.7	3158.8	3158.8	1586.7	608.5	275.2	111.7	38.0	9.0	4.6			
-40		8.3	32.5	90.5	201.7	397.9	770.0	1191.7	1191.7	770.0	397.9	201.7	90.5	32.5	8.3				
-50	4.6	6.6	23.2	63.3	134.0	238.8	390.5	521.7	521.7	390.5	238.8	134.0	63.3	23.2	6.6	4.6			
-60		4.9	12.7	34.0	71.3	122.4	184.7	228.2	228.2	184.7	122.4	71.3	34.0	12.7	4.9				
-70	4.1	19.7	57.8		145.4		209.2		145.4		57.8		19.7		4.1				
-80		4.1	57.8		145.4		209.2		145.4		57.8		19.7						
-90	4.1	57.8		145.4		209.2		145.4		57.8		19.7		4.1					
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

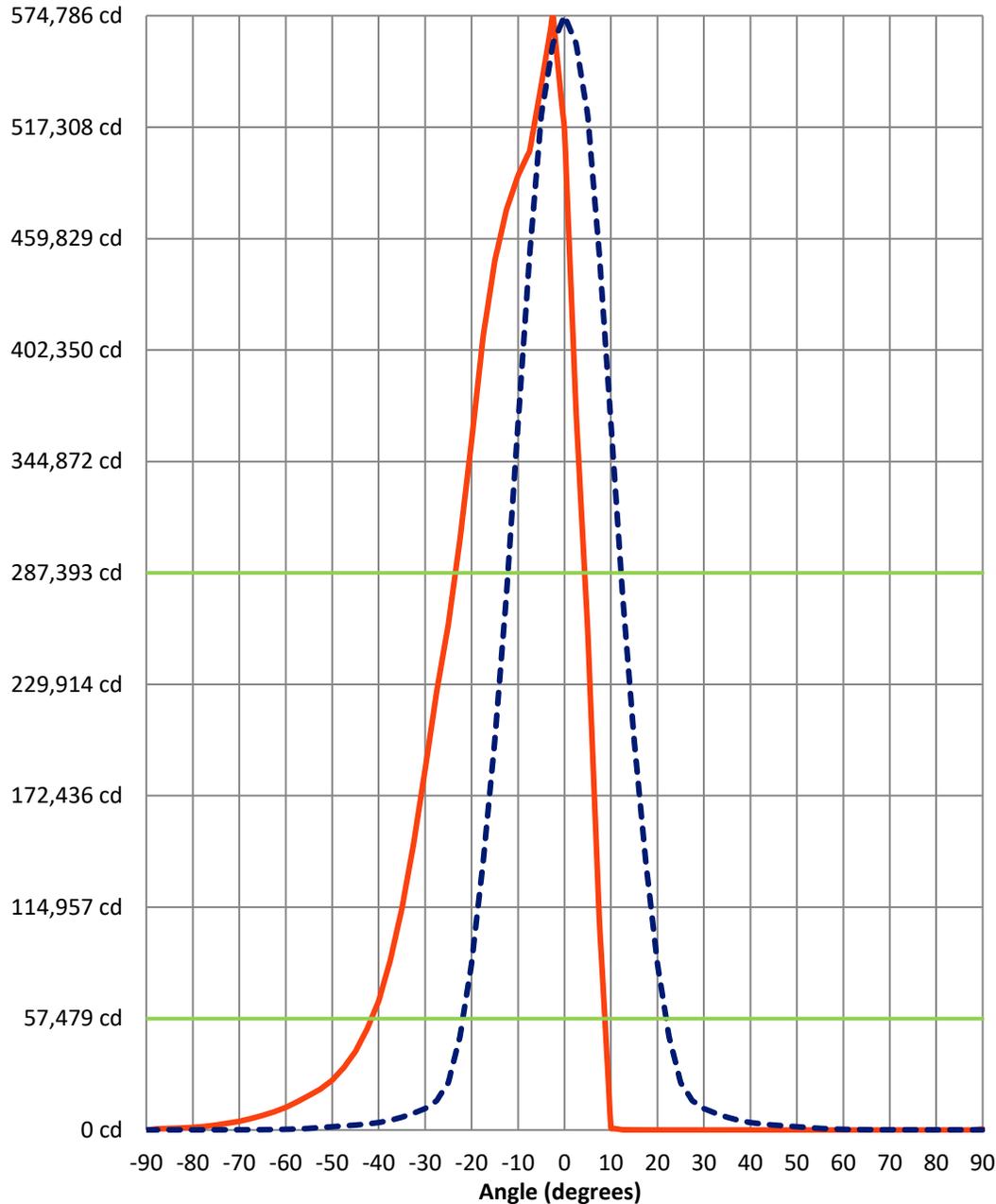
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CATALOG NUMBER: EPH-LS12-1000R-57-70-3S-ECV

### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 24.4°  
 V Angle: 27.8°  
 Lumens: 66490.1  
 Efficiency: 46.9%

**Field:**  
 H Angle: 43.8°  
 V Angle: 50.3°  
 Lumens: 118288  
 Efficiency: 83.5%

**Spill:**  
 Lumens: 23342.3  
 Efficiency: 16.5%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through -2.5-Deg



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FIELD  
BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	117.1	123.6	130.2	148.4	166.5	184.7	202.9	218.5	234.2	249.8	265.5
87.5°	117.1	115.6	114.2	112.7	111.1	109.6	108.0	105.7	103.5	101.2	98.9
85°	117.1	115.6	114.3	112.8	111.2	109.7	108.0	105.8	103.5	101.2	99.0
82.5°	117.1	115.7	114.4	112.9	111.4	109.8	108.1	105.9	103.6	101.3	99.1
80°	117.1	115.7	114.5	113.0	111.5	109.9	108.2	106.0	103.7	101.5	99.2
77.5°	117.1	115.7	114.6	113.2	111.6	110.0	108.2	106.1	103.8	101.6	99.4
75°	117.1	115.8	114.7	113.3	111.8	110.0	108.3	106.2	104.0	101.8	99.6
72.5°	117.1	115.8	114.8	113.5	111.8	110.0	108.4	106.4	104.2	102.0	99.8
70°	117.1	115.9	114.9	113.6	111.8	110.1	108.5	106.6	104.5	102.3	100.1
67.5°	117.1	115.9	115.0	113.6	111.8	110.1	108.7	106.9	104.7	102.6	100.4
65°	117.1	115.9	115.1	113.6	111.8	110.3	108.9	107.1	105.0	102.9	100.8
62.5°	117.1	116.0	115.3	113.6	111.8	110.5	109.1	107.4	105.4	103.3	101.2
60°	117.1	116.0	115.4	113.6	111.9	110.7	109.4	107.8	105.7	103.7	101.6
57.5°	117.1	116.1	115.3	113.6	112.1	111.0	109.6	108.1	106.1	104.1	102.2
55°	117.1	116.1	115.3	113.6	112.3	111.3	109.9	108.4	106.5	104.6	102.9
52.5°	117.1	116.2	115.3	113.7	112.6	111.6	110.1	108.7	107.0	105.4	103.6
50°	117.1	116.2	115.3	113.7	112.9	111.8	110.4	109.1	107.5	106.1	104.3
47.5°	117.1	116.2	115.4	113.8	113.2	112.1	110.7	109.5	108.3	107.0	105.0
45°	117.1	116.3	115.4	114.0	113.5	112.3	111.1	109.9	109.0	107.7	105.7
42.5°	117.1	116.3	115.4	114.3	113.8	112.6	111.6	110.5	109.7	108.4	106.5
40°	117.1	116.4	115.5	114.5	114.1	112.9	112.0	111.1	110.3	109.1	107.3
37.5°	117.1	116.4	115.5	114.8	114.3	113.2	112.5	111.7	110.9	109.8	108.1
35°	117.1	116.5	115.6	115.0	114.5	113.6	113.0	112.2	111.6	110.6	109.0
32.5°	117.1	116.5	115.7	115.3	114.8	114.0	113.5	112.8	112.3	111.5	110.1
30°	117.1	116.6	115.7	115.6	115.1	114.4	114.0	113.3	113.2	112.5	111.4
27.5°	117.1	116.6	115.8	115.9	115.5	114.9	114.5	114.0	114.0	113.6	112.9
25°	117.1	116.7	115.9	116.2	116.1	115.4	115.0	114.7	115.0	114.8	114.4
22.5°	117.1	116.7	116.0	116.5	116.6	116.0	115.5	115.5	116.0	116.2	116.3
20°	117.1	116.7	116.1	116.8	117.3	117.1	115.9	116.3	117.0	117.6	118.2
17.5°	117.1	116.8	116.2	117.1	118.0	118.3	117.2	117.1	118.0	119.1	120.2
15°	117.1	116.8	116.3	117.4	118.7	119.6	119.0	118.8	119.1	120.7	122.2
12.5°	117.1	116.9	116.5	117.7	119.4	120.8	121.0	121.6	121.8	122.3	124.2
10°	117.1	116.9	116.6	118.0	120.1	122.1	123.0	124.5	125.8	127.5	128.9
7.5°	117.1	117.0	116.7	118.3	120.9	123.4	125.0	127.5	130.0	133.5	139.5
5°	117.1	117.0	116.8	118.6	121.6	124.7	127.1	130.5	134.1	139.5	150.5
2.5°	117.1	117.1	117.0	118.8	122.4	126.0	129.2	133.4	138.2	145.5	161.6
0°	117.1	117.1	117.1	119.1	123.1	127.2	131.2	136.3	142.3	151.4	172.6
-2.5°	117.1	117.5	118.0	120.8	125.6	131.7	138.3	146.3	156.2	175.1	216.0
-5°	117.1	117.8	118.9	122.4	128.0	136.0	145.3	156.1	169.8	198.1	257.8
-7.5°	117.1	118.2	119.9	124.0	130.4	140.2	152.1	165.7	183.1	220.0	296.9
-10°	117.1	118.6	120.8	125.6	132.7	144.3	158.7	174.9	195.8	240.2	332.1
-12.5°	117.1	119.0	121.7	127.1	135.0	148.1	164.9	183.7	207.9	261.8	386.4
-15°	117.1	119.3	122.5	128.6	137.1	151.7	170.6	192.1	226.3	303.5	445.2
-17.5°	117.1	119.7	123.4	130.0	139.2	154.9	175.9	204.7	251.8	340.1	495.7
-20°	117.1	120.0	124.2	131.4	141.1	157.8	182.6	219.8	274.5	371.0	536.6



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 CATALOG NUMBER: EPH-LS12-1000R-57-70-3S-ECV

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	117.1	120.3	125.0	132.6	143.0	160.3	191.8	233.4	293.8	395.3	567.0
-25°	117.1	120.7	125.8	133.9	144.7	165.1	200.1	245.2	309.4	412.6	586.0
-27.5°	117.1	121.0	126.5	135.0	146.3	170.6	207.4	255.1	321.1	425.7	605.6
-30°	117.1	121.3	127.2	136.1	148.0	175.5	213.6	263.0	331.4	439.2	615.4
-32.5°	117.1	121.6	127.8	137.0	151.9	179.9	218.8	269.9	340.2	446.9	614.2
-35°	117.1	121.8	128.4	137.9	155.4	183.8	223.6	275.6	346.0	448.3	601.9
-37.5°	117.1	122.1	129.0	138.7	158.6	187.4	227.8	279.7	348.6	443.6	608.0
-40°	117.1	122.3	129.5	139.3	161.4	191.1	231.3	282.1	348.1	440.8	609.4
-42.5°	117.1	122.5	130.0	140.4	163.9	194.2	233.8	282.8	347.6	442.0	597.7
-45°	117.1	122.8	130.4	142.0	166.1	196.8	235.5	283.2	346.5	436.0	575.7
-47.5°	117.1	123.0	130.8	143.5	168.0	198.7	236.4	284.0	343.1	422.2	557.5
-50°	117.1	123.1	131.2	145.0	169.6	199.9	237.4	283.6	336.6	413.1	529.1
-52.5°	117.1	123.3	131.4	146.3	170.8	200.6	237.8	282.2	331.1	399.3	493.1
-55°	117.1	123.4	131.7	147.5	171.7	201.2	237.4	279.8	325.3	380.9	468.9
-57.5°	117.1	123.6	131.9	148.5	172.2	201.5	236.1	277.5	317.7	367.9	439.3
-60°	117.1	123.7	132.0	149.3	172.4	201.2	234.1	273.1	308.9	355.2	410.7
-62.5°	117.1	123.8	132.1	150.0	173.0	200.4	232.5	267.4	301.5	340.4	391.6
-65°	117.1	123.8	132.1	150.5	173.4	199.2	230.2	261.5	293.1	328.6	369.9
-67.5°	117.1	123.9	132.1	150.8	173.4	198.2	227.3	256.6	283.9	316.9	352.8
-70°	117.1	123.9	132.0	151.0	173.3	197.5	223.9	251.3	277.4	304.2	337.2
-72.5°	117.1	123.9	131.9	151.1	172.9	196.4	221.7	245.6	270.6	296.1	322.1
-75°	117.1	123.9	131.8	151.1	172.2	195.1	219.4	241.5	263.3	287.6	312.3
-77.5°	117.1	123.9	131.6	151.0	171.7	193.5	216.7	237.8	258.6	279.6	301.9
-80°	117.1	123.9	131.4	150.7	171.0	192.0	213.7	233.8	253.8	274.0	294.4
-82.5°	117.1	123.9	131.1	150.3	170.1	190.5	211.3	229.8	248.6	267.9	287.4
-85°	117.1	123.8	130.9	149.8	169.1	188.7	208.7	226.3	244.0	262.0	280.2
-87.5°	117.1	123.7	130.5	149.1	167.9	186.8	205.9	222.5	239.2	256.1	273.0
-90°	117.1	115.6	114.1	112.6	111.1	109.5	108.0	105.7	103.5	101.2	98.9



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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	274.3	283.2	292.0	300.8	306.9	312.9	319.0	325.0	334.1	343.2	352.3
87.5°	95.9	92.9	89.9	86.8	83.1	79.3	75.5	71.7	67.7	63.6	59.6
85°	96.0	93.0	89.9	86.8	83.0	79.3	75.5	71.9	67.8	63.8	59.7
82.5°	96.0	92.9	89.7	86.4	82.7	79.1	75.6	72.0	68.0	64.0	59.9
80°	96.1	92.8	89.7	86.6	83.2	79.7	76.0	72.4	68.4	64.3	60.2
77.5°	96.4	93.3	90.3	87.4	84.0	80.3	76.5	72.7	68.8	64.7	60.6
75°	96.8	93.9	90.9	87.9	84.5	80.7	77.0	73.2	69.3	65.2	61.1
72.5°	97.2	94.3	91.3	88.3	85.0	81.3	77.5	73.7	69.8	65.8	61.7
70°	97.6	94.7	91.8	88.8	85.6	81.8	78.0	74.3	70.5	66.5	62.4
67.5°	98.1	95.2	92.3	89.3	85.9	82.1	78.4	75.0	71.3	67.2	63.1
65°	98.6	95.7	92.7	89.5	86.1	82.9	79.5	75.9	72.2	68.1	64.0
62.5°	99.1	96.3	93.2	90.0	87.3	84.2	80.6	76.9	73.1	69.1	65.0
60°	99.6	96.9	93.9	91.2	88.5	85.3	81.6	77.9	74.1	70.2	66.1
57.5°	100.2	97.7	94.9	92.2	89.3	86.4	82.7	79.0	75.3	71.5	67.3
55°	100.8	98.5	95.8	93.0	90.2	87.4	83.9	80.3	76.5	72.7	68.7
52.5°	101.5	99.3	96.7	94.0	91.2	88.4	85.3	81.6	77.9	74.1	70.2
50°	102.2	100.1	97.7	95.0	92.3	89.5	86.7	83.1	79.4	75.6	71.8
47.5°	102.9	100.9	98.7	96.1	93.5	90.7	88.0	84.7	81.0	77.3	73.4
45°	103.7	101.7	99.7	97.3	94.7	92.0	89.4	86.4	82.8	79.1	75.2
42.5°	104.6	102.6	100.7	98.5	96.0	93.6	91.0	88.0	84.7	81.0	77.2
40°	105.5	103.6	101.9	99.8	97.5	95.4	92.5	89.6	86.7	83.1	79.3
37.5°	106.4	104.8	103.2	101.2	99.4	97.0	93.9	91.5	88.7	85.3	81.6
35°	107.4	106.1	104.6	102.8	101.3	98.3	95.9	93.6	90.9	87.7	84.3
32.5°	108.5	107.5	106.2	104.5	102.5	99.9	98.2	96.1	93.3	90.2	87.6
30°	110.0	109.0	107.8	106.2	103.9	102.1	100.7	98.7	95.8	93.4	90.9
27.5°	112.0	110.7	109.4	107.7	105.6	104.4	103.3	101.2	98.8	96.8	94.7
25°	114.0	113.3	110.9	109.3	107.8	106.9	106.0	104.1	102.1	100.6	98.8
22.5°	116.3	116.1	114.3	111.0	110.0	109.6	108.9	107.7	106.5	105.1	103.3
20°	118.8	119.2	118.5	116.8	113.7	112.5	112.1	111.7	111.8	112.2	111.3
17.5°	121.4	122.6	123.3	124.5	125.6	122.5	115.6	116.0	117.9	121.7	128.7
15°	124.2	126.3	128.7	133.7	140.1	144.9	145.2	133.4	125.7	134.9	152.7
12.5°	127.1	130.2	134.5	144.1	156.6	171.7	189.2	203.7	205.0	186.0	185.7
10°	130.0	134.3	140.7	155.3	174.7	201.9	240.3	287.0	333.2	384.1	426.8
7.5°	146.5	152.5	156.2	167.0	193.7	234.4	296.3	379.6	476.6	609.7	784.1
5°	165.8	186.9	224.0	274.4	354.0	417.2	454.8	482.4	628.9	852.0	1176.8
2.5°	185.4	222.3	294.3	400.2	611.3	842.0	1045.8	1239.5	1481.9	1780.5	2192.4
0°	204.9	257.4	364.4	525.9	870.1	1269.8	1640.3	1999.7	2473.1	3025.2	3724.8
-2.5°	281.7	375.7	556.1	864.0	1284.7	1722.9	2162.8	2573.2	3131.1	3893.0	5013.3
-5°	355.6	489.9	739.1	1184.2	1681.4	2159.4	2664.6	3127.4	3799.5	4750.4	6110.2
-7.5°	424.4	596.9	907.5	1460.7	2016.1	2570.1	3214.0	3866.0	4643.3	5648.7	7013.2
-10°	490.8	709.9	1055.3	1620.4	2255.4	2933.5	3722.5	4544.4	5430.5	6483.9	7834.1
-12.5°	579.6	826.7	1187.1	1754.6	2452.9	3237.7	4154.5	5144.9	6151.6	7251.0	8551.3
-15°	658.6	930.8	1302.0	1861.0	2601.6	3471.6	4495.9	5653.5	6730.2	7766.2	9049.5
-17.5°	726.2	1020.6	1398.3	1937.6	2695.7	3625.4	4694.4	5858.2	7048.5	8163.5	9492.3
-20°	781.3	1094.4	1474.6	1982.7	2737.3	3666.8	4673.4	5855.5	7178.9	8483.5	9776.7



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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	822.5	1150.9	1539.3	2044.5	2763.5	3642.2	4618.4	5737.4	7136.5	8709.0	10086.3
-25°	853.3	1193.9	1595.5	2101.0	2761.6	3582.5	4526.6	5525.4	6925.3	8706.3	10441.2
-27.5°	872.9	1217.8	1633.9	2128.8	2733.4	3505.6	4416.8	5383.9	6729.9	8526.5	10570.7
-30°	876.5	1229.4	1646.8	2134.0	2725.7	3445.8	4277.6	5322.4	6477.6	8170.3	10167.4
-32.5°	873.5	1224.5	1642.6	2127.3	2697.2	3358.4	4183.0	5223.8	6358.9	7633.4	9556.1
-35°	871.3	1216.2	1619.8	2089.3	2636.5	3293.4	4103.1	5053.7	6170.1	7339.7	8819.2
-37.5°	868.5	1193.4	1575.2	2030.7	2563.5	3213.5	3961.6	4865.7	5900.8	7075.8	8318.2
-40°	852.8	1156.1	1528.5	1958.5	2470.6	3094.0	3813.7	4631.3	5589.1	6708.9	7941.8
-42.5°	826.1	1123.9	1471.2	1865.5	2367.2	2942.8	3611.8	4383.4	5259.7	6281.2	7424.6
-45°	797.0	1077.2	1401.0	1789.8	2244.3	2768.6	3388.2	4092.9	4918.6	5813.5	6854.3
-47.5°	751.9	1017.2	1329.9	1688.3	2112.2	2597.7	3136.4	3803.3	4550.7	5374.0	6240.5
-50°	697.7	943.8	1236.5	1572.0	1965.1	2410.0	2910.6	3495.8	4175.1	4917.6	5715.2
-52.5°	649.2	852.3	1123.7	1432.6	1795.3	2208.7	2673.3	3205.9	3797.8	4448.4	5176.9
-55°	588.8	770.1	994.3	1277.6	1600.6	1979.2	2410.2	2890.7	3417.5	4001.2	4622.6
-57.5°	539.4	682.5	874.8	1108.6	1397.5	1724.5	2129.2	2548.6	3018.2	3531.7	4074.7
-60°	495.5	604.3	759.1	955.7	1183.4	1484.6	1835.3	2220.5	2621.4	3038.2	3525.9
-62.5°	450.6	539.3	655.6	807.7	1002.7	1237.2	1538.9	1877.3	2240.3	2609.3	2998.1
-65°	422.5	475.9	563.9	682.7	821.7	1024.7	1259.2	1519.3	1830.9	2145.1	2477.0
-67.5°	390.7	435.7	489.5	560.5	678.1	827.2	990.0	1206.6	1444.1	1679.6	1926.3
-70°	368.3	394.9	436.1	487.7	552.8	650.9	787.6	935.5	1097.2	1285.9	1497.3
-72.5°	347.5	371.6	396.2	421.5	474.5	545.6	624.2	709.7	831.0	982.5	1138.2
-75°	331.4	348.1	369.5	391.9	423.2	462.6	508.5	576.0	660.4	756.9	857.3
-77.5°	318.9	334.1	349.6	365.2	387.9	419.1	453.3	490.2	542.3	603.5	669.0
-80°	307.7	319.9	333.8	347.9	366.2	386.8	409.0	432.7	467.5	509.5	557.3
-82.5°	299.3	310.6	321.9	333.4	346.6	360.7	375.8	393.3	420.0	449.2	479.7
-85°	290.7	300.9	311.3	321.7	332.3	343.3	354.7	366.5	385.0	404.6	424.7
-87.5°	282.6	292.1	301.7	311.1	319.2	327.4	335.8	344.2	357.4	370.9	384.6
-90°	95.9	92.9	89.8	86.8	83.0	79.3	75.5	71.7	67.7	63.6	59.6



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	361.4	373.8	386.1	398.5	410.8	427.0	443.1	459.3	475.4	495.6	515.8
87.5°	55.5	51.5	47.5	43.5	39.4	35.4	31.3	27.3	23.2	19.4	15.7
85°	55.7	51.6	47.6	43.6	39.5	35.3	31.0	26.7	22.4	18.5	14.7
82.5°	55.9	51.8	47.8	43.8	39.7	35.4	31.1	26.7	22.4	18.8	15.2
80°	56.2	52.1	48.1	44.0	39.9	35.6	31.3	26.9	22.6	18.7	14.9
77.5°	56.6	52.5	48.4	44.3	40.3	35.9	31.6	27.2	22.8	18.9	15.0
75°	57.0	52.9	48.8	44.7	40.6	36.3	31.9	27.5	23.1	19.1	15.2
72.5°	57.6	53.5	49.4	45.1	40.8	36.4	32.0	27.6	23.3	19.5	15.8
70°	58.2	54.0	49.7	45.2	40.8	36.4	32.2	27.9	23.7	19.6	15.7
67.5°	59.0	54.8	50.4	45.9	41.4	37.0	32.7	28.4	24.1	19.9	15.9
65°	59.9	55.7	51.2	46.7	42.2	37.7	33.3	29.0	24.6	20.3	16.2
62.5°	60.8	56.6	52.2	47.6	43.1	38.5	34.0	29.6	25.1	20.7	16.5
60°	61.9	57.7	53.3	48.7	44.0	39.4	34.8	30.3	25.8	21.2	16.9
57.5°	63.1	58.8	54.5	49.8	45.1	40.4	35.7	31.1	26.5	21.8	17.4
55°	64.4	60.2	55.8	51.1	46.4	41.5	36.7	32.0	27.2	22.4	17.9
52.5°	65.9	61.6	57.2	52.5	47.7	42.8	37.8	33.0	28.1	23.2	18.5
50°	67.5	63.2	58.7	54.1	49.2	44.2	39.1	34.2	29.3	24.1	19.1
47.5°	69.3	64.9	60.5	55.9	50.9	46.1	41.2	36.2	30.6	25.1	19.9
45°	71.2	66.9	62.4	57.7	52.9	47.9	42.5	36.9	31.7	26.2	20.7
42.5°	73.2	69.0	64.4	59.7	54.8	49.6	44.4	39.3	33.5	27.5	21.6
40°	75.4	71.3	66.7	62.0	57.1	52.0	46.4	40.5	34.6	28.7	22.8
37.5°	77.8	73.8	69.5	65.0	59.7	54.2	48.4	42.5	36.4	30.5	24.1
35°	80.8	77.0	73.0	67.9	62.7	57.0	51.4	45.9	39.4	33.3	26.5
32.5°	84.3	80.6	76.2	71.8	66.9	62.1	56.7	51.7	45.1	38.9	32.5
30°	88.0	84.3	81.5	77.5	73.5	69.4	65.4	60.8	55.7	49.3	39.7
27.5°	92.0	90.7	88.9	84.3	81.7	78.6	75.7	71.2	62.6	54.7	41.0
25°	97.1	98.4	94.6	91.9	90.7	89.0	83.3	75.1	62.1	48.5	35.9
22.5°	103.5	103.1	101.5	100.8	102.8	98.4	87.6	75.0	57.6	43.5	33.4
20°	109.3	109.1	113.1	119.0	117.4	112.0	95.4	77.0	59.2	51.9	45.0
17.5°	128.8	121.3	135.2	151.3	148.5	124.2	109.6	88.9	77.0	71.1	61.6
15°	165.4	181.7	191.1	192.8	190.2	167.9	136.7	132.5	121.7	118.0	107.7
12.5°	222.8	278.3	344.1	386.0	260.0	241.2	284.6	300.3	252.2	221.8	221.2
10°	448.5	407.0	587.4	939.5	1589.5	2041.8	806.6	2290.8	4666.9	3988.0	2351.9
7.5°	1074.7	1401.3	1669.4	2148.7	4122.6	8545.4	14037.0	20567.7	34200.0	42649.1	59251.2
5°	1789.3	2621.1	3547.9	5083.0	8646.5	17545.9	33182.6	53043.2	76024.2	108535.6	148087.6
2.5°	3041.1	4320.5	5751.9	8245.3	13446.8	27056.6	50377.0	85076.8	121130.4	168146.0	222445.6
0°	5014.8	7049.8	9029.3	12539.0	22516.1	45789.3	78027.1	127659.3	180618.5	248621.5	323944.9
-2.5°	6631.0	8685.4	11094.4	15216.8	24588.7	48219.7	85935.8	138508.4	201081.5	276182.6	364492.3
-5°	7890.0	10108.1	12888.2	17104.3	26330.3	47389.2	83311.4	136389.5	201139.4	271634.6	352181.1
-7.5°	8852.8	11275.2	14349.1	18554.6	27215.0	46688.6	82545.4	134873.1	196507.2	267463.7	341651.3
-10°	9658.3	12165.0	15490.2	20131.5	28394.8	44943.4	76135.8	127788.2	191157.3	260691.4	333390.1
-12.5°	10355.5	12874.4	16172.3	20706.4	28063.7	43799.9	72535.9	116382.8	176786.7	248254.0	316587.8
-15°	10898.0	13401.1	16597.6	21551.6	29783.9	43154.3	64951.2	104488.9	157669.9	222371.0	290580.9
-17.5°	11320.2	13767.4	17104.0	21889.0	29435.5	41598.5	62705.0	93052.4	138569.5	195139.8	253695.8
-20°	11553.4	13987.0	17174.7	21667.6	28966.6	40555.4	57473.2	85276.9	122060.9	168903.3	218478.5



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	11879.7	14153.0	16994.8	21089.5	28105.3	38224.5	53607.2	78258.4	108881.7	148020.9	190364.0
-25°	12081.3	14114.4	16901.1	21020.7	26542.4	35230.3	50477.1	70090.6	97709.0	130046.8	166284.8
-27.5°	12241.7	14168.1	16719.3	20317.8	25101.4	33213.4	45642.6	61659.8	85559.4	112294.4	143254.2
-30°	12330.7	14113.8	16415.7	19282.1	24075.2	30923.5	40148.2	54529.9	72746.8	93895.8	119494.5
-32.5°	11750.3	13973.7	15938.9	18611.9	22579.1	28118.0	35222.3	47233.0	61062.5	77918.1	97224.9
-35°	10905.4	13151.9	15457.3	17895.1	21085.1	25344.7	31925.9	40657.7	50490.6	63884.3	78330.9
-37.5°	9873.1	12005.5	14341.6	16887.4	19566.8	22925.1	28359.5	34963.4	42585.6	52226.7	62660.3
-40°	9198.8	10649.1	12903.4	15303.7	17786.5	20994.3	25099.1	29752.3	35555.5	42595.7	49899.1
-42.5°	8668.1	9966.2	11374.2	13395.4	15784.6	18797.7	22075.3	25609.5	30116.5	35106.2	40162.9
-45°	7988.4	9250.6	10563.1	11948.1	13596.0	16115.1	18933.8	22023.4	25537.1	29216.3	32690.4
-47.5°	7289.2	8418.7	9627.8	10885.0	12382.9	14069.6	15891.9	18221.8	21241.8	24229.4	26795.6
-50°	6598.1	7566.9	8649.8	9786.6	11071.1	12463.2	13935.3	15892.7	18047.2	20267.0	22010.2
-52.5°	5949.9	6799.3	7692.8	8654.9	9743.7	10878.3	12089.2	13727.4	15443.1	17194.7	18433.4
-55°	5308.2	6044.7	6809.7	7648.7	8524.3	9418.1	10449.5	11777.9	13131.8	14493.6	15422.8
-57.5°	4666.1	5293.4	5961.1	6678.1	7416.3	8170.0	9016.1	9985.8	11017.8	12060.9	12810.2
-60°	4028.7	4544.1	5125.1	5735.2	6353.5	6976.7	7700.0	8442.0	9179.6	9866.5	10411.2
-62.5°	3413.3	3863.7	4334.1	4828.6	5344.8	5881.8	6473.5	7074.4	7677.2	8202.1	8566.6
-65°	2828.2	3198.8	3569.4	3955.7	4355.6	4795.5	5281.8	5767.2	6247.4	6652.1	6960.1
-67.5°	2216.9	2521.0	2824.6	3121.6	3431.9	3773.9	4154.4	4534.6	4910.8	5219.2	5464.6
-70°	1705.8	1915.8	2134.5	2370.1	2628.0	2903.0	3197.5	3481.9	3755.2	3964.7	4133.9
-72.5°	1297.5	1461.8	1635.0	1821.8	2007.5	2218.7	2448.7	2677.7	2904.2	3070.6	3209.7
-75°	961.0	1077.2	1215.5	1355.1	1495.3	1656.5	1829.0	2002.8	2176.5	2299.7	2404.9
-77.5°	747.5	835.3	925.6	1017.0	1109.2	1215.6	1326.2	1436.8	1546.8	1627.0	1699.9
-80°	608.2	667.2	728.6	791.0	854.1	928.6	1005.6	1082.9	1160.2	1215.6	1267.7
-82.5°	511.6	551.6	593.5	636.4	680.2	732.9	786.9	841.2	895.5	934.2	971.3
-85°	445.3	472.6	500.6	529.1	557.9	594.1	631.0	668.3	705.9	735.1	763.7
-87.5°	398.5	417.4	436.6	456.1	475.6	498.2	520.8	543.4	566.0	590.8	615.6
-90°	55.5	51.5	47.5	43.4	39.4	35.4	31.3	27.3	23.2	19.4	15.7



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	536.0	556.2	550.2	544.1	550.2	556.2	536.0	515.8	495.6	475.4	459.3
87.5°	11.9	8.1	5.1	2.0	5.1	8.1	11.9	15.7	19.4	23.2	27.3
85°	10.9	7.1	4.6	2.0	4.6	7.1	10.9	14.7	18.5	22.4	26.7
82.5°	11.7	8.1	5.1	2.0	5.1	8.1	11.7	15.2	18.8	22.4	26.7
80°	11.1	7.2	4.6	2.0	4.6	7.2	11.1	14.9	18.7	22.6	26.9
77.5°	11.1	7.3	4.1	1.0	4.1	7.3	11.1	15.0	18.9	22.8	27.2
75°	11.3	7.4	4.2	1.0	4.2	7.4	11.3	15.2	19.1	23.1	27.5
72.5°	12.1	8.4	5.7	3.0	5.7	8.4	12.1	15.8	19.5	23.3	27.6
70°	11.6	7.6	4.3	1.0	4.3	7.6	11.6	15.7	19.6	23.7	27.9
67.5°	11.8	7.7	4.3	1.0	4.3	7.7	11.8	15.9	19.9	24.1	28.4
65°	12.0	7.9	4.4	1.0	4.4	7.9	12.0	16.2	20.3	24.6	29.0
62.5°	12.3	8.1	4.4	1.0	4.4	8.1	12.3	16.5	20.7	25.1	29.6
60°	12.6	8.3	4.5	1.0	4.5	8.3	12.6	16.9	21.2	25.8	30.3
57.5°	12.9	8.5	4.2	0.0	4.2	8.5	12.9	17.4	21.8	26.5	31.1
55°	13.3	8.8	4.3	0.0	4.3	8.8	13.3	17.9	22.4	27.2	32.0
52.5°	13.8	9.1	4.8	1.0	4.8	9.1	13.8	18.5	23.2	28.1	33.0
50°	14.3	9.4	5.0	1.0	5.0	9.4	14.3	19.1	24.1	29.3	34.2
47.5°	14.8	9.8	4.8	0.0	4.8	9.8	14.8	19.9	25.1	30.6	36.2
45°	15.5	10.2	5.3	1.0	5.3	10.2	15.5	20.7	26.2	31.7	36.9
42.5°	16.2	10.7	5.3	0.0	5.3	10.7	16.2	21.6	27.5	33.5	39.3
40°	17.0	11.3	5.7	1.0	5.7	11.3	17.0	22.8	28.7	34.6	40.5
37.5°	18.0	11.9	6.0	1.0	6.0	11.9	18.0	24.1	30.5	36.4	42.5
35°	19.6	13.0	6.3	1.0	6.3	13.0	19.6	26.5	33.3	39.4	45.9
32.5°	25.1	17.2	8.5	1.0	8.5	17.2	25.1	32.5	38.9	45.1	51.7
30°	29.5	20.3	11.0	0.0	11.0	20.3	29.5	39.7	49.3	55.7	60.8
27.5°	28.9	18.2	8.0	3.0	8.0	18.2	28.9	41.0	54.7	62.6	71.2
25°	25.5	16.2	7.4	0.0	7.4	16.2	25.5	35.9	48.5	62.1	75.1
22.5°	28.5	22.5	16.3	12.1	16.3	22.5	28.5	33.4	43.5	57.6	75.0
20°	38.6	31.6	24.5	20.2	24.5	31.6	38.6	45.0	51.9	59.2	77.0
17.5°	58.3	50.3	43.1	37.3	43.1	50.3	58.3	61.6	71.1	77.0	88.9
15°	102.8	93.9	83.2	74.7	83.2	93.9	102.8	107.7	118.0	121.7	132.5
12.5°	194.8	177.7	162.3	144.9	162.3	177.7	194.8	221.2	221.8	252.2	300.3
10°	4822.8	4412.1	4873.3	1043.7	4873.3	4412.1	4822.8	2351.9	3988.0	4666.9	2290.8
7.5°	74699.8	103124.2	111691.6	108641.8	111691.6	103124.2	74699.8	59251.2	42649.1	34200.0	20567.7
5°	187396.8	231932.6	255347.2	257424.2	255347.2	231932.6	187396.8	148087.6	108535.6	76024.2	53043.2
2.5°	280609.0	327242.2	356497.1	370371.2	356497.1	327242.2	280609.0	222445.6	168146.0	121130.4	85076.8
0°	397222.7	451964.6	494839.2	515548.9	494839.2	451964.6	397222.7	323944.9	248621.5	180618.5	127659.3
-2.5°	451514.9	523265.6	560187.1	574786.2	560187.1	523265.6	451514.9	364492.3	276182.6	201081.5	138508.4
-5°	424415.4	488177.5	524253.3	539100.7	524253.3	488177.5	424415.4	352181.1	271634.6	201139.4	136389.5
-7.5°	410771.5	465475.5	495307.2	505146.9	495307.2	465475.5	410771.5	341651.3	267463.7	196507.2	134873.1
-10°	398417.7	450203.3	481450.5	492327.2	481450.5	450203.3	398417.7	333390.1	260691.4	191157.3	127788.2
-12.5°	381289.7	431343.6	462327.6	474657.8	462327.6	431343.6	381289.7	316587.8	248254.0	176786.7	116382.8
-15°	354003.9	404869.2	435950.8	448326.6	435950.8	404869.2	354003.9	290580.9	222371.0	157669.9	104488.9
-17.5°	313140.2	366362.3	396968.3	409522.5	396968.3	366362.3	313140.2	253695.8	195139.8	138569.5	93052.4
-20°	269701.4	316280.7	344131.8	355473.2	344131.8	316280.7	269701.4	218478.5	168903.3	122060.9	85276.9



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	233340.9	269393.1	294324.0	304542.9	294324.0	269393.1	233340.9	190364.0	148020.9	108881.7	78258.4
-25°	203468.2	232667.2	254357.4	260888.5	254357.4	232667.2	203468.2	166284.8	130046.8	97709.0	70090.6
-27.5°	174992.7	198731.7	218909.3	226242.2	218909.3	198731.7	174992.7	143254.2	112294.4	85559.4	61659.8
-30°	145314.7	163729.4	180166.2	185938.1	180166.2	163729.4	145314.7	119494.5	93895.8	72746.8	54529.9
-32.5°	115862.0	130650.6	143557.3	147338.9	143557.3	130650.6	115862.0	97224.9	77918.1	61062.5	47233.0
-35°	91333.8	102236.7	111395.0	114246.1	111395.0	102236.7	91333.8	78330.9	63884.3	50490.6	40657.7
-37.5°	71646.3	79526.3	85755.6	87526.8	85755.6	79526.3	71646.3	62660.3	52226.7	42585.6	34963.4
-40°	55771.5	61203.0	65294.2	66540.9	65294.2	61203.0	55771.5	49899.1	42595.7	35555.5	29752.3
-42.5°	44147.9	47978.9	50860.5	52076.0	50860.5	47978.9	44147.9	40162.9	35106.2	30116.5	25609.5
-45°	35387.2	37892.0	39688.2	40540.3	39688.2	37892.0	35387.2	32690.4	29216.3	25537.1	22023.4
-47.5°	28875.2	30826.2	31989.5	32239.9	31989.5	30826.2	28875.2	26795.6	24229.4	21241.8	18221.8
-50°	23432.9	24777.0	25534.7	25716.0	25534.7	24777.0	23432.9	22010.2	20267.0	18047.2	15892.7
-52.5°	19462.5	20396.3	20951.0	21199.8	20951.0	20396.3	19462.5	18433.4	17194.7	15443.1	13727.4
-55°	16285.6	17089.2	17572.5	17828.4	17572.5	17089.2	16285.6	15422.8	14493.6	13131.8	11777.9
-57.5°	13503.4	14134.4	14463.4	14613.4	14463.4	14134.4	13503.4	12810.2	12060.9	11017.8	9985.8
-60°	10944.7	11453.3	11648.2	11685.0	11648.2	11453.3	10944.7	10411.2	9866.5	9179.6	8442.0
-62.5°	8899.1	9197.3	9334.2	9397.7	9334.2	9197.3	8899.1	8566.6	8202.1	7677.2	7074.4
-65°	7243.5	7499.8	7554.7	7537.3	7554.7	7499.8	7243.5	6960.1	6652.1	6247.4	5767.2
-67.5°	5690.2	5893.8	5929.6	5912.2	5929.6	5893.8	5690.2	5464.6	5219.2	4910.8	4534.6
-70°	4289.7	4431.3	4475.6	4492.9	4475.6	4431.3	4289.7	4133.9	3964.7	3755.2	3481.9
-72.5°	3340.1	3461.0	3511.8	3545.1	3511.8	3461.0	3340.1	3209.7	3070.6	2904.2	2677.7
-75°	2502.7	2592.8	2601.7	2596.2	2601.7	2592.8	2502.7	2404.9	2299.7	2176.5	2002.8
-77.5°	1769.5	1835.4	1848.8	1855.3	1848.8	1835.4	1769.5	1699.9	1627.0	1546.8	1436.8
-80°	1318.0	1366.5	1368.6	1366.8	1368.6	1366.5	1318.0	1267.7	1215.6	1160.2	1082.9
-82.5°	1007.5	1042.7	1049.1	1053.8	1049.1	1042.7	1007.5	971.3	934.2	895.5	841.2
-85°	791.8	819.3	824.4	828.7	824.4	819.3	791.8	763.7	735.1	705.9	668.3
-87.5°	640.3	664.7	665.6	666.2	665.6	664.7	640.3	615.6	590.8	566.0	543.4
-90°	11.9	8.1	5.0	2.0	5.0	8.1	11.9	15.7	19.4	23.2	27.3



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	443.1	427.0	410.8	398.5	386.1	373.8	361.4	352.3	343.2	334.1	325.0
87.5°	31.3	35.4	39.4	43.5	47.5	51.5	55.5	59.6	63.6	67.7	71.7
85°	31.0	35.3	39.5	43.6	47.6	51.6	55.7	59.7	63.8	67.8	71.9
82.5°	31.1	35.4	39.7	43.8	47.8	51.8	55.9	59.9	64.0	68.0	72.0
80°	31.3	35.6	39.9	44.0	48.1	52.1	56.2	60.2	64.3	68.4	72.4
77.5°	31.6	35.9	40.3	44.3	48.4	52.5	56.6	60.6	64.7	68.8	72.7
75°	31.9	36.3	40.6	44.7	48.8	52.9	57.0	61.1	65.2	69.3	73.2
72.5°	32.0	36.4	40.8	45.1	49.4	53.5	57.6	61.7	65.8	69.8	73.7
70°	32.2	36.4	40.8	45.2	49.7	54.0	58.2	62.4	66.5	70.5	74.3
67.5°	32.7	37.0	41.4	45.9	50.4	54.8	59.0	63.1	67.2	71.3	75.0
65°	33.3	37.7	42.2	46.7	51.2	55.7	59.9	64.0	68.1	72.2	75.9
62.5°	34.0	38.5	43.1	47.6	52.2	56.6	60.8	65.0	69.1	73.1	76.9
60°	34.8	39.4	44.0	48.7	53.3	57.7	61.9	66.1	70.2	74.1	77.9
57.5°	35.7	40.4	45.1	49.8	54.5	58.8	63.1	67.3	71.5	75.3	79.0
55°	36.7	41.5	46.4	51.1	55.8	60.2	64.4	68.7	72.7	76.5	80.3
52.5°	37.8	42.8	47.7	52.5	57.2	61.6	65.9	70.2	74.1	77.9	81.6
50°	39.1	44.2	49.2	54.1	58.7	63.2	67.5	71.8	75.6	79.4	83.1
47.5°	41.2	46.1	50.9	55.9	60.5	64.9	69.3	73.4	77.3	81.0	84.7
45°	42.5	47.9	52.9	57.7	62.4	66.9	71.2	75.2	79.1	82.8	86.4
42.5°	44.4	49.6	54.8	59.7	64.4	69.0	73.2	77.2	81.0	84.7	88.0
40°	46.4	52.0	57.1	62.0	66.7	71.3	75.4	79.3	83.1	86.7	89.6
37.5°	48.4	54.2	59.7	65.0	69.5	73.8	77.8	81.6	85.3	88.7	91.5
35°	51.4	57.0	62.7	67.9	73.0	77.0	80.8	84.3	87.7	90.9	93.6
32.5°	56.7	62.1	66.9	71.8	76.2	80.6	84.3	87.6	90.2	93.3	96.1
30°	65.4	69.4	73.5	77.5	81.5	84.3	88.0	90.9	93.4	95.8	98.7
27.5°	75.7	78.6	81.7	84.3	88.9	90.7	92.0	94.7	96.8	98.8	101.2
25°	83.3	89.0	90.7	91.9	94.6	98.4	97.1	98.8	100.6	102.1	104.1
22.5°	87.6	98.4	102.8	100.8	101.5	103.1	103.5	103.3	105.1	106.5	107.7
20°	95.4	112.0	117.4	119.0	113.1	109.1	109.3	111.3	112.2	111.8	111.7
17.5°	109.6	124.2	148.5	151.3	135.2	121.3	128.8	128.7	121.7	117.9	116.0
15°	136.7	167.9	190.2	192.8	191.1	181.7	165.4	152.7	134.9	125.7	133.4
12.5°	284.6	241.2	260.0	386.0	344.1	278.3	222.8	185.7	186.0	205.0	203.7
10°	806.6	2041.8	1589.5	939.5	587.4	407.0	448.5	426.8	384.1	333.2	287.0
7.5°	14037.0	8545.4	4122.6	2148.7	1669.4	1401.3	1074.7	784.1	609.7	476.6	379.6
5°	33182.6	17545.9	8646.5	5083.0	3547.9	2621.1	1789.3	1176.8	852.0	628.9	482.4
2.5°	50377.0	27056.6	13446.8	8245.3	5751.9	4320.5	3041.1	2192.4	1780.5	1481.9	1239.5
0°	78027.1	45789.3	22516.1	12539.0	9029.3	7049.8	5014.8	3724.8	3025.2	2473.1	1999.7
-2.5°	85935.8	48219.7	24588.7	15216.8	11094.4	8685.4	6631.0	5013.3	3893.0	3131.1	2573.2
-5°	83311.4	47389.2	26330.3	17104.3	12888.2	10108.1	7890.0	6110.2	4750.4	3799.5	3127.4
-7.5°	82545.4	46688.6	27215.0	18554.6	14349.1	11275.2	8852.8	7013.2	5648.7	4643.3	3866.0
-10°	76135.8	44943.4	28394.8	20131.5	15490.2	12165.0	9658.3	7834.1	6483.9	5430.5	4544.4
-12.5°	72535.9	43799.9	28063.7	20706.4	16172.3	12874.4	10355.5	8551.3	7251.0	6151.6	5144.9
-15°	64951.2	43154.3	29783.9	21551.6	16597.6	13401.1	10898.0	9049.5	7766.2	6730.2	5653.5
-17.5°	62705.0	41598.5	29435.5	21889.0	17104.0	13767.4	11320.2	9492.3	8163.5	7048.5	5858.2
-20°	57473.2	40555.4	28966.6	21667.6	17174.7	13987.0	11553.4	9776.7	8483.5	7178.9	5855.5



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	53607.2	38224.5	28105.3	21089.5	16994.8	14153.0	11879.7	10086.3	8709.0	7136.5	5737.4
-25°	50477.1	35230.3	26542.4	21020.7	16901.1	14114.4	12081.3	10441.2	8706.3	6925.3	5525.4
-27.5°	45642.6	33213.4	25101.4	20317.8	16719.3	14168.1	12241.7	10570.7	8526.5	6729.9	5383.9
-30°	40148.2	30923.5	24075.2	19282.1	16415.7	14113.8	12330.7	10167.4	8170.3	6477.6	5322.4
-32.5°	35222.3	28118.0	22579.1	18611.9	15938.9	13973.7	11750.3	9556.1	7633.4	6358.9	5223.8
-35°	31925.9	25344.7	21085.1	17895.1	15457.3	13151.9	10905.4	8819.2	7339.7	6170.1	5053.7
-37.5°	28359.5	22925.1	19566.8	16887.4	14341.6	12005.5	9873.1	8318.2	7075.8	5900.8	4865.7
-40°	25099.1	20994.3	17786.5	15303.7	12903.4	10649.1	9198.8	7941.8	6708.9	5589.1	4631.3
-42.5°	22075.3	18797.7	15784.6	13395.4	11374.2	9966.2	8668.1	7424.6	6281.2	5259.7	4383.4
-45°	18933.8	16115.1	13596.0	11948.1	10563.1	9250.6	7988.4	6854.3	5813.5	4918.6	4092.9
-47.5°	15891.9	14069.6	12382.9	10885.0	9627.8	8418.7	7289.2	6240.5	5374.0	4550.7	3803.3
-50°	13935.3	12463.2	11071.1	9786.6	8649.8	7566.9	6598.1	5715.2	4917.6	4175.1	3495.8
-52.5°	12089.2	10878.3	9743.7	8654.9	7692.8	6799.3	5949.9	5176.9	4448.4	3797.8	3205.9
-55°	10449.5	9418.1	8524.3	7648.7	6809.7	6044.7	5308.2	4622.6	4001.2	3417.5	2890.7
-57.5°	9016.1	8170.0	7416.3	6678.1	5961.1	5293.4	4666.1	4074.7	3531.7	3018.2	2548.6
-60°	7700.0	6976.7	6353.5	5735.2	5125.1	4544.1	4028.7	3525.9	3038.2	2621.4	2220.5
-62.5°	6473.5	5881.8	5344.8	4828.6	4334.1	3863.7	3413.3	2998.1	2609.3	2240.3	1877.3
-65°	5281.8	4795.5	4355.6	3955.7	3569.4	3198.8	2828.2	2477.0	2145.1	1830.9	1519.3
-67.5°	4154.4	3773.9	3431.9	3121.6	2824.6	2521.0	2216.9	1926.3	1679.6	1444.1	1206.6
-70°	3197.5	2903.0	2628.0	2370.1	2134.5	1915.8	1705.8	1497.3	1285.9	1097.2	935.5
-72.5°	2448.7	2218.7	2007.5	1821.8	1635.0	1461.8	1297.5	1138.2	982.5	831.0	709.7
-75°	1829.0	1656.5	1495.3	1355.1	1215.5	1077.2	961.0	857.3	756.9	660.4	576.0
-77.5°	1326.2	1215.6	1109.2	1017.0	925.6	835.3	747.5	669.0	603.5	542.3	490.2
-80°	1005.6	928.6	854.1	791.0	728.6	667.2	608.2	557.3	509.5	467.5	432.7
-82.5°	786.9	732.9	680.2	636.4	593.5	551.6	511.6	479.7	449.2	420.0	393.3
-85°	631.0	594.1	557.9	529.1	500.6	472.6	445.3	424.7	404.6	385.0	366.5
-87.5°	520.8	498.2	475.6	456.1	436.6	417.4	398.5	384.6	370.9	357.4	344.2
-90°	31.3	35.4	39.4	43.4	47.5	51.5	55.5	59.6	63.6	67.7	71.7



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	319.0	312.9	306.9	300.8	292.0	283.2	274.3	265.5	249.8	234.2	218.5
87.5°	75.5	79.3	83.1	86.8	89.9	92.9	95.9	98.9	101.2	103.5	105.7
85°	75.5	79.3	83.0	86.8	89.9	93.0	96.0	99.0	101.2	103.5	105.8
82.5°	75.6	79.1	82.7	86.4	89.7	92.9	96.0	99.1	101.3	103.6	105.9
80°	76.0	79.7	83.2	86.6	89.7	92.8	96.1	99.2	101.5	103.7	106.0
77.5°	76.5	80.3	84.0	87.4	90.3	93.3	96.4	99.4	101.6	103.8	106.1
75°	77.0	80.7	84.5	87.9	90.9	93.9	96.8	99.6	101.8	104.0	106.2
72.5°	77.5	81.3	85.0	88.3	91.3	94.3	97.2	99.8	102.0	104.2	106.4
70°	78.0	81.8	85.6	88.8	91.8	94.7	97.6	100.1	102.3	104.5	106.6
67.5°	78.4	82.1	85.9	89.3	92.3	95.2	98.1	100.4	102.6	104.7	106.9
65°	79.5	82.9	86.1	89.5	92.7	95.7	98.6	100.8	102.9	105.0	107.1
62.5°	80.6	84.2	87.3	90.0	93.2	96.3	99.1	101.2	103.3	105.4	107.4
60°	81.6	85.3	88.5	91.2	93.9	96.9	99.6	101.6	103.7	105.7	107.8
57.5°	82.7	86.4	89.3	92.2	94.9	97.7	100.2	102.2	104.1	106.1	108.1
55°	83.9	87.4	90.2	93.0	95.8	98.5	100.8	102.9	104.6	106.5	108.4
52.5°	85.3	88.4	91.2	94.0	96.7	99.3	101.5	103.6	105.4	107.0	108.7
50°	86.7	89.5	92.3	95.0	97.7	100.1	102.2	104.3	106.1	107.5	109.1
47.5°	88.0	90.7	93.5	96.1	98.7	100.9	102.9	105.0	107.0	108.3	109.5
45°	89.4	92.0	94.7	97.3	99.7	101.7	103.7	105.7	107.7	109.0	109.9
42.5°	91.0	93.6	96.0	98.5	100.7	102.6	104.6	106.5	108.4	109.7	110.5
40°	92.5	95.4	97.5	99.8	101.9	103.6	105.5	107.3	109.1	110.3	111.1
37.5°	93.9	97.0	99.4	101.2	103.2	104.8	106.4	108.1	109.8	110.9	111.7
35°	95.9	98.3	101.3	102.8	104.6	106.1	107.4	109.0	110.6	111.6	112.2
32.5°	98.2	99.9	102.5	104.5	106.2	107.5	108.5	110.1	111.5	112.3	112.8
30°	100.7	102.1	103.9	106.2	107.8	109.0	110.0	111.4	112.5	113.2	113.3
27.5°	103.3	104.4	105.6	107.7	109.4	110.7	112.0	112.9	113.6	114.0	114.0
25°	106.0	106.9	107.8	109.3	110.9	113.3	114.0	114.4	114.8	115.0	114.7
22.5°	108.9	109.6	110.0	111.0	114.3	116.1	116.3	116.3	116.2	116.0	115.5
20°	112.1	112.5	113.7	116.8	118.5	119.2	118.8	118.2	117.6	117.0	116.3
17.5°	115.6	122.5	125.6	124.5	123.3	122.6	121.4	120.2	119.1	118.0	117.1
15°	145.2	144.9	140.1	133.7	128.7	126.3	124.2	122.2	120.7	119.1	118.8
12.5°	189.2	171.7	156.6	144.1	134.5	130.2	127.1	124.2	122.3	121.8	121.6
10°	240.3	201.9	174.7	155.3	140.7	134.3	130.0	128.9	127.5	125.8	124.5
7.5°	296.3	234.4	193.7	167.0	156.2	152.5	146.5	139.5	133.5	130.0	127.5
5°	454.8	417.2	354.0	274.4	224.0	186.9	165.8	150.5	139.5	134.1	130.5
2.5°	1045.8	842.0	611.3	400.2	294.3	222.3	185.4	161.6	145.5	138.2	133.4
0°	1640.3	1269.8	870.1	525.9	364.4	257.4	204.9	172.6	151.4	142.3	136.3
-2.5°	2162.8	1722.9	1284.7	864.0	556.1	375.7	281.7	216.0	175.1	156.2	146.3
-5°	2664.6	2159.4	1681.4	1184.2	739.1	489.9	355.6	257.8	198.1	169.8	156.1
-7.5°	3214.0	2570.1	2016.1	1460.7	907.5	596.9	424.4	296.9	220.0	183.1	165.7
-10°	3722.5	2933.5	2255.4	1620.4	1055.3	709.9	490.8	332.1	240.2	195.8	174.9
-12.5°	4154.5	3237.7	2452.9	1754.6	1187.1	826.7	579.6	386.4	261.8	207.9	183.7
-15°	4495.9	3471.6	2601.6	1861.0	1302.0	930.8	658.6	445.2	303.5	226.3	192.1
-17.5°	4694.4	3625.4	2695.7	1937.6	1398.3	1020.6	726.2	495.7	340.1	251.8	204.7
-20°	4673.4	3666.8	2737.3	1982.7	1474.6	1094.4	781.3	536.6	371.0	274.5	219.8



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4618.4	3642.2	2763.5	2044.5	1539.3	1150.9	822.5	567.0	395.3	293.8	233.4
-25°	4526.6	3582.5	2761.6	2101.0	1595.5	1193.9	853.3	586.0	412.6	309.4	245.2
-27.5°	4416.8	3505.6	2733.4	2128.8	1633.9	1217.8	872.9	605.6	425.7	321.1	255.1
-30°	4277.6	3445.8	2725.7	2134.0	1646.8	1229.4	876.5	615.4	439.2	331.4	263.0
-32.5°	4183.0	3358.4	2697.2	2127.3	1642.6	1224.5	873.5	614.2	446.9	340.2	269.9
-35°	4103.1	3293.4	2636.5	2089.3	1619.8	1216.2	871.3	601.9	448.3	346.0	275.6
-37.5°	3961.6	3213.5	2563.5	2030.7	1575.2	1193.4	868.5	608.0	443.6	348.6	279.7
-40°	3813.7	3094.0	2470.6	1958.5	1528.5	1156.1	852.8	609.4	440.8	348.1	282.1
-42.5°	3611.8	2942.8	2367.2	1865.5	1471.2	1123.9	826.1	597.7	442.0	347.6	282.8
-45°	3388.2	2768.6	2244.3	1789.8	1401.0	1077.2	797.0	575.7	436.0	346.5	283.2
-47.5°	3136.4	2597.7	2112.2	1688.3	1329.9	1017.2	751.9	557.5	422.2	343.1	284.0
-50°	2910.6	2410.0	1965.1	1572.0	1236.5	943.8	697.7	529.1	413.1	336.6	283.6
-52.5°	2673.3	2208.7	1795.3	1432.6	1123.7	852.3	649.2	493.1	399.3	331.1	282.2
-55°	2410.2	1979.2	1600.6	1277.6	994.3	770.1	588.8	468.9	380.9	325.3	279.8
-57.5°	2129.2	1724.5	1397.5	1108.6	874.8	682.5	539.4	439.3	367.9	317.7	277.5
-60°	1835.3	1484.6	1183.4	955.7	759.1	604.3	495.5	410.7	355.2	308.9	273.1
-62.5°	1538.9	1237.2	1002.7	807.7	655.6	539.3	450.6	391.6	340.4	301.5	267.4
-65°	1259.2	1024.7	821.7	682.7	563.9	475.9	422.5	369.9	328.6	293.1	261.5
-67.5°	990.0	827.2	678.1	560.5	489.5	435.7	390.7	352.8	316.9	283.9	256.6
-70°	787.6	650.9	552.8	487.7	436.1	394.9	368.3	337.2	304.2	277.4	251.3
-72.5°	624.2	545.6	474.5	421.5	396.2	371.6	347.5	322.1	296.1	270.6	245.6
-75°	508.5	462.6	423.2	391.9	369.5	348.1	331.4	312.3	287.6	263.3	241.5
-77.5°	453.3	419.1	387.9	365.2	349.6	334.1	318.9	301.9	279.6	258.6	237.8
-80°	409.0	386.8	366.2	347.9	333.8	319.9	307.7	294.4	274.0	253.8	233.8
-82.5°	375.8	360.7	346.6	333.4	321.9	310.6	299.3	287.4	267.9	248.6	229.8
-85°	354.7	343.3	332.3	321.7	311.3	300.9	290.7	280.2	262.0	244.0	226.3
-87.5°	335.8	327.4	319.2	311.1	301.7	292.1	282.6	273.0	256.1	239.2	222.5
-90°	75.5	79.3	83.0	86.8	89.8	92.9	95.9	98.9	101.2	103.5	105.7



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	202.9	184.7	166.5	148.4	130.2	123.6	117.1
87.5°	108.0	109.6	111.1	112.7	114.2	115.6	117.1
85°	108.0	109.7	111.2	112.8	114.3	115.6	117.1
82.5°	108.1	109.8	111.4	112.9	114.4	115.7	117.1
80°	108.2	109.9	111.5	113.0	114.5	115.7	117.1
77.5°	108.2	110.0	111.6	113.2	114.6	115.7	117.1
75°	108.3	110.0	111.8	113.3	114.7	115.8	117.1
72.5°	108.4	110.0	111.8	113.5	114.8	115.8	117.1
70°	108.5	110.1	111.8	113.6	114.9	115.9	117.1
67.5°	108.7	110.1	111.8	113.6	115.0	115.9	117.1
65°	108.9	110.3	111.8	113.6	115.1	115.9	117.1
62.5°	109.1	110.5	111.8	113.6	115.3	116.0	117.1
60°	109.4	110.7	111.9	113.6	115.4	116.0	117.1
57.5°	109.6	111.0	112.1	113.6	115.3	116.1	117.1
55°	109.9	111.3	112.3	113.6	115.3	116.1	117.1
52.5°	110.1	111.6	112.6	113.7	115.3	116.2	117.1
50°	110.4	111.8	112.9	113.7	115.3	116.2	117.1
47.5°	110.7	112.1	113.2	113.8	115.4	116.2	117.1
45°	111.1	112.3	113.5	114.0	115.4	116.3	117.1
42.5°	111.6	112.6	113.8	114.3	115.4	116.3	117.1
40°	112.0	112.9	114.1	114.5	115.5	116.4	117.1
37.5°	112.5	113.2	114.3	114.8	115.5	116.4	117.1
35°	113.0	113.6	114.5	115.0	115.6	116.5	117.1
32.5°	113.5	114.0	114.8	115.3	115.7	116.5	117.1
30°	114.0	114.4	115.1	115.6	115.7	116.6	117.1
27.5°	114.5	114.9	115.5	115.9	115.8	116.6	117.1
25°	115.0	115.4	116.1	116.2	115.9	116.7	117.1
22.5°	115.5	116.0	116.6	116.5	116.0	116.7	117.1
20°	115.9	117.1	117.3	116.8	116.1	116.7	117.1
17.5°	117.2	118.3	118.0	117.1	116.2	116.8	117.1
15°	119.0	119.6	118.7	117.4	116.3	116.8	117.1
12.5°	121.0	120.8	119.4	117.7	116.5	116.9	117.1
10°	123.0	122.1	120.1	118.0	116.6	116.9	117.1
7.5°	125.0	123.4	120.9	118.3	116.7	117.0	117.1
5°	127.1	124.7	121.6	118.6	116.8	117.0	117.1
2.5°	129.2	126.0	122.4	118.8	117.0	117.1	117.1
0°	131.2	127.2	123.1	119.1	117.1	117.1	117.1
-2.5°	138.3	131.7	125.6	120.8	118.0	117.5	117.1
-5°	145.3	136.0	128.0	122.4	118.9	117.8	117.1
-7.5°	152.1	140.2	130.4	124.0	119.9	118.2	117.1
-10°	158.7	144.3	132.7	125.6	120.8	118.6	117.1
-12.5°	164.9	148.1	135.0	127.1	121.7	119.0	117.1
-15°	170.6	151.7	137.1	128.6	122.5	119.3	117.1
-17.5°	175.9	154.9	139.2	130.0	123.4	119.7	117.1
-20°	182.6	157.8	141.1	131.4	124.2	120.0	117.1



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	191.8	160.3	143.0	132.6	125.0	120.3	117.1
-25°	200.1	165.1	144.7	133.9	125.8	120.7	117.1
-27.5°	207.4	170.6	146.3	135.0	126.5	121.0	117.1
-30°	213.6	175.5	148.0	136.1	127.2	121.3	117.1
-32.5°	218.8	179.9	151.9	137.0	127.8	121.6	117.1
-35°	223.6	183.8	155.4	137.9	128.4	121.8	117.1
-37.5°	227.8	187.4	158.6	138.7	129.0	122.1	117.1
-40°	231.3	191.1	161.4	139.3	129.5	122.3	117.1
-42.5°	233.8	194.2	163.9	140.4	130.0	122.5	117.1
-45°	235.5	196.8	166.1	142.0	130.4	122.8	117.1
-47.5°	236.4	198.7	168.0	143.5	130.8	123.0	117.1
-50°	237.4	199.9	169.6	145.0	131.2	123.1	117.1
-52.5°	237.8	200.6	170.8	146.3	131.4	123.3	117.1
-55°	237.4	201.2	171.7	147.5	131.7	123.4	117.1
-57.5°	236.1	201.5	172.2	148.5	131.9	123.6	117.1
-60°	234.1	201.2	172.4	149.3	132.0	123.7	117.1
-62.5°	232.5	200.4	173.0	150.0	132.1	123.8	117.1
-65°	230.2	199.2	173.4	150.5	132.1	123.8	117.1
-67.5°	227.3	198.2	173.4	150.8	132.1	123.9	117.1
-70°	223.9	197.5	173.3	151.0	132.0	123.9	117.1
-72.5°	221.7	196.4	172.9	151.1	131.9	123.9	117.1
-75°	219.4	195.1	172.2	151.1	131.8	123.9	117.1
-77.5°	216.7	193.5	171.7	151.0	131.6	123.9	117.1
-80°	213.7	192.0	171.0	150.7	131.4	123.9	117.1
-82.5°	211.3	190.5	170.1	150.3	131.1	123.9	117.1
-85°	208.7	188.7	169.1	149.8	130.9	123.8	117.1
-87.5°	205.9	186.8	167.9	149.1	130.5	123.7	117.1
-90°	108.0	109.5	111.1	112.6	114.1	115.6	117.1

(END OF REPORT)